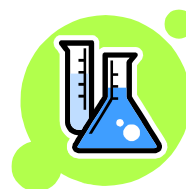


# WELCOME!



September 7, 2010

Dear Parents and Guardians,

My name is Ms. Johnson and I am enthusiastic about having your child in my science class! I know that we will have an exciting, successful, and productive year.



Ninth grade physical science is designed to help students build a strong foundation for success in future classes. This course is split into three major units: chemistry, physics, and Earth science. Students will take a full year of chemistry in 11<sup>th</sup> grade chemistry then either physics, Earth science, or a math elective in 12<sup>th</sup> grade. As you can see, the more your child invests in my class, the more he/she will 'hit the ground running' in future courses, including college.

Your student will soon discover that I am tough but fair. I have extremely high academic and behavioral expectations for all my students, and I anticipate **every** student will grow to the best of her or his ability. To aid in this achievement, please note that I assign homework at least three nights per week (including many weekends). Because practice is an important part of learning, I select homework that reinforces the skills your student is expected to master. Also, I avoid "busywork" assignments.

Organizational skills are critical for teenagers to learn and practice. Therefore, I **require** each student to have a **three-ring binder** to hold his/her work. This will be collected and graded periodically. Please see the attached "Shopping List" for materials that your child will need for my class. These materials should cost less than \$15 and students must bring them to class *every day* beginning **Tues, 9/13.**

**You** are the most important part of your child's education, so please communicate with me any time. I invite you to contact me through my personal Google Voicemail (267) 507-4947, and/or email: [kpjohnson@philasd.org](mailto:kpjohnson@philasd.org). Also, I created a class website so parents and students can double-check deadlines, homework, projects, and announcements from home: <https://msjohnsongwhs.wikispaces.com/>

If you wish to meet with me, I will be happy to schedule an appointment before or after school or during my planning period (9:45 – 10:25). Also, please attend our Back to School Night on **Thursday, 9/23 from 6-8pm.**

I look forward to working with you to help your child grow and learn!

Sincerely,

Ms. Kelsey Johnson, Room 324



# PHYSICAL SCIENCE

## 2010-11 SYLLABUS



Ms. Johnson  
[kpjohnson@philasd.org](mailto:kpjohnson@philasd.org)

George Washington High School  
Room 324

### **MISSION**

My goals for this course are that students *learn to think critically and improve their knowledge and confidence in science*. Physical science is an exciting subject that helps us understand the amazing world around us. To that end, know that *all class rules and procedures are designed to increase student learning and enjoyment of science*.

### **BEHAVIOR EXPECTATIONS**

Students will spend the first few days deciding what expectations are appropriate. Once we have reached consensus, please write these expectations below.




1. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*As always, school rules apply in the hallway, my classroom, and on buses.*

- a. See Student Handbook pp. 3-46 for details.

### **CONTENT**

We will follow the School District's curriculum that includes these ten units:

 Chemistry	Unit 1: The Nature of Science Unit 2: Matter and How it Changes Unit 3: Atoms: The Building Blocks of the Universe
 Physics	Unit 4: Force and Motion: The Way Things Move Unit 5: Work, Power, Energy Unit 6: Electricity and Magnetism Unit 7: Waves
 Earth Science	Unit 8: Geology Unit 9: Astronomy Unit 10: Environmental Science

## **GRADING**

I **strongly recommend** that students keep all graded work and double-check the grade I calculate for them. This is good practice for college and basic accounting, as well as allows them to contest a grade. Different types of assignments ‘count differently’ in your final grade:

*Physical Science Grade Weighting*

<i>Criteria</i>	<i>Percentage of Overall Grade</i>
TESTS & QUIZZES	40
PROJECTS, LABS & PRESENTATIONS	25
CLASSWORK & PARTICIPATION	25
HOMEWORK	10*

\*Note: If you do not do your homework, you cannot earn an A.

## **ACADEMIC INTEGRITY AND HONOR**

You are expected to act with full academic integrity **at all times**. Writing your name at the top of a paper represents *a contract* between you and me that means you neither gave nor received unfair help. If you feel tempted to copy another person’s work or to share your own work, remember that this defeats the purpose of education. If I become aware of such transgressions, they will result in failing grades and disciplinary action. Make good choices!

Working with others is an acceptable practice in college and most workplaces. Therefore, I encourage students to share ideas and to form study groups outside of class. However, working together looks like a discussion of ideas, **not** splitting up an assignment into pieces, completing one piece, and giving each other the answers. **Everything you turn in** should be in *your own, original words* and something that *you could explain to me* in a conversation.

## **EXTRA CREDIT**

Extra credit is available “in addition to” your regular credit, **not** “instead of”. This means that you only become eligible to earn extra credit *after* you complete all of your *assigned* work. Extra credit may improve your grade, at a maximum, by half a letter grade (for example, from a B+ to an A-, from a B- to a B, or from a C to a C+).

Extra credit assignments will be approved on a case-by-case basis and require a written proposal ahead of time. Extra credit requires you to explore science outside of school, such as attending a public lecture at a local university, visiting a museum, reading a scientific article, watching a scientific program on TV, or listening to “Science Friday” on the radio.

## **EMAIL ETIQUETTE**

Have you ever thought about how you should contact adults through email? All electronic communication with teachers and other professionals is a formal representation of yourself. When you contact me by email, I expect you to use your best spelling, grammar, and punctuation. Emoticons are acceptable. ☺

# Physical Science Policies



## Lateness to class

- Pre-class assignments are often quizzes and are due five minutes after the bell rings. If you are late to class, you miss these points.
- Skipped detentions result in an in-house suspension.

## Late work

- Homework is turned in at the beginning of class as students enter the classroom. Any work turned in after the collection is considered late.
- The purpose of homework is to stay up-to-date with class content *and* to practice study habits independently. I encourage students to complete work even if it is late. **Students may submit late homework IF they complete it in my presence (before school, during lunch, or after school) *before* the test for that unit.**
- **Late work will earn a *maximum of half credit*.** (This is still an “F”).
- Students are eligible for extra credit **only after** completing all assigned work.
- Major projects and lab reports may not be submitted late. That is unfair to the students who worked hard to complete it on time.

## Absent work

- Students must always show me documentation of excused absences. Prior notification is best, but I understand it is not always possible.
- Students with excused absences have the same number of days to make up the work as the number of days they were absent.
- It is the student's responsibility to obtain all missed assignments from the file folders hanging in the classroom **promptly**, which are updated every day. I encourage students to also use a “buddy system” with a friend in class. **It is the students’ responsibility to seek out the work they missed during absences.**
- Missed tests or quizzes for an excused absence need to be made up before school, after school, or during the student’s lunch period the following day.
- **Work missed for unexcused absences will not receive credit.** This includes music practice, sports, or other school activities if the student does not tell me *ahead of time*.

- Quizzes or tests missed during an unexcused absence(s) may not be made up.

### Cell Phones/iPods/Electronics

- Cell phones are inappropriate in the classroom. They are to be **turned off and out of site** in my classroom. Period.

### Detentions

- **I hold detentions after school beginning exactly at 2:45 pm.** Detentions typically last 15 minutes for a first offense and 30 minutes for a second offense; however, their duration will be determined on a case-by-case basis. Given the advance notice, it is *the student's responsibility* to modify his/her schedule and make transportation arrangements to enable him/her to attend detention.
- Any student who fails to attend, or arrives late, to my detention will be written up.

### Severe Clause

- Students who choose to use profane language, fight, or damage property will be written up promptly.
  - Using obscene language or gestures, making unreasonable noise, fighting or threatening are *illegal* and defined as *disorderly conduct*. This behavior has no place in school.
  - See Student Handbook (page 34).

I encourage ALL students to make good choices. You can count on me to do my job, and I am counting on you to do yours. I look forward to you being your best!

Sincerely,

Ms. Kelsey Johnson  
George Washington High School



Physical Science Orientation  
Student/Parent Checklist

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Pd# \_\_\_\_\_

Parents and Students:

Please read over all of the attached sheets, check them off using the list below, and sign the appropriate spaces.

We have been provided with:

\_\_\_\_\_ Letter of Introduction

\_\_\_\_\_ Science Syllabus

\_\_\_\_\_ Physical Science Policies

\_\_\_\_\_ Shopping List and Daily Required Materials

\_\_\_\_\_  
Signature of parent

\_\_\_\_\_  
date

\_\_\_\_\_  
Signature of student

\_\_\_\_\_  
date

**I must return this form to Ms. Johnson by:**

\_\_\_\_\_  
Insert date

Note: Once you remove the staple and turn the checklist in, be sure to **place these handouts in the second section of the 3-ring binder.** You will refer to them often!

# Shopping List and Daily Required Materials

These items need to be brought with the student to class every day:

- **Three-ring binder** (1 or 2 inch spine, heavy duty)
  - Labeled in clear, permanent marker on the front cover with:
    - student's first and last name
    - book number (advisory)
    - Physical science class period
  - **Five section dividers**
    - Section 1: labeled "*Course Information*"  
Contents: All orientation sheets, binder rubrics, other rubrics.
    - Section 2: labeled "*Pre-class*"  
Contents: all pre-class assignments with the most recent on top.
    - Section 3: labeled "*Notes*"  
Contents: All class notes and worksheets in chronological order.
    - Section 4: labeled "*Homework*"  
Contents: All hand-written homework assignments and worksheets.

**\*\*Each sheet must follow the proper heading:\*\***

(see sample posted in the classroom or below):

Unit Number	Your name
Assignment	Class Period #
Date	Seat #

Skip at least 3 lines between problems to allow space for corrections.

- Section 5: labeled "*Quizzes and Miscellaneous*"  
Contents: Keep all quizzes here in chronological order. Also, keep extra paper and other things that are not specified in other sections.
- **Ink pen (Blue or black)**
  - **2 Pencils (sharpened)**
  - **Small ruler** with SI (metric) units (best: very flat, very clear)
  - **Notebook paper** (looseleaf; wide-ruled is preferred but not required)
  - **Scientific calculator** that allows for exponents.
    - Buttons may look like one of these: " $\wedge$ ", " $10^\wedge$ ", " $10^x$ ", "E", "EE", or "exp"
    - Models include: